MOR Gaskets & Seals LLP

Factory:27/4A, GIDC Alindra , Manjusar, Savli, Dist – Vadodara - 391775, Gujarat, India.

www.morgaskets.com

MOR Elastomer (Rubber) Sheets/ Rolls, Gaskets, O-Rings & Seals

MOR Neoprene (Chloroprene) Rubber (CR):

- One of the earliest synthetic materials to be developed as an oil-resistant substitute for Natural Rubber. It is a homopolymer of Chloroprene.
- It has good resistance to ozone, sunlight & oxygen aging, relatively low compression set, good resilience & outstanding physical toughness.
- It is recommended for exposure to weathering and due to excellent resistance to ammonia it is widely used as a preferred sealing material for Refrigeration.
- It is generally attacked by strong oxidizing acids, esters, ketones, chlorinated, aromatic & nitro hydrocarbons.
- Since Nitrile is economically competitive and has superior performance characteristics, Neoprene has been replaced in major applications to Nitrile.

Operating temperature range: -40°C to 110°C			
Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	IRHD	70 ±5
Tensile Strength	ASTM D 412	Mpa	14.3
Elongation	ASTM D 412	%	250
Specific Gravity	ASTM D 297	g/cm3	1.4
Compression Set 22h/100°C	ASTM D 395 B	%	14
Low Temperature Resistance	ASTM D 2137 - No cracks	°C	-40

- **Roll Size: 1M/1.2M/1.5M/2M wide x 10M long**
- **Thickness: 1mm to 25mm**

MOR Ethylene-Propylene Diene Monomer Rubber (EPDM/EP):

- A copolymer of ethylene & polypropylene combined with comonomer adiene.
- It has excellent resistance to aging by both ozone & sunlight.
- It is widely used outdoors due to it's weather resistance, automotive brake & cooling systems, hot water, drinking water, silicone oils & greases, dilute acids & alkalis, alcohols.
- It performs poorly when exposed to petroleum oils, diester lubricants or aromatic fuels.
- It excels in resistance to the same chemical agents in comparison to Nitrile.

Operating temperature range: -40°C to +110°C			
Physical Property	Test Method	Units	Typical Values
	DIN 53505	ShA	80
Tensile Strength	DIN 53504	N/mm^2	14.5
Elongation	DIN 53504	%	240
Specific Gravity	DIN 53479	g/cm^3	1.17
Tear Resistance	DIN 53515	N/mm	50

- **Roll Size: 1M/1.2M/1.5M/2M wide x 10M long**
- **Thickness: 1mm to 25mm**
- **We can offer WRAS Approved EPDM Rubber Rolls & Gaskets. It can also be supplied with nylon or cotton reinforcement.**

Manufacturer and Supplier of High Performance Maintenance Free Gaskets, Spiral Wound Gaskets, Kamprofile Gaskets, Double Jacketed Gaskets, Ring Type Joint Gaskets, Lens Rings, Softcuts, Compression Packing, Seals, etc.

MOR Nitrile Rubber (NBR, Buna N):

- A copolymer of butadiene and acrylonitrile.
- Excellent resistance to petroleum-based oils & fuels, silicone greases, hydraulic fluids, water and alcohols.
- It has high tensile strength and abrasion resistance.
- It's the industry's most widely used and economical elastomer.
- It should not be used in the presence of strong acids or brake fluids or direct exposure to ozone and sunlight. Not recommended for exposure to ethers, esters, ketones or chlorinated hydrocarbons.

Operating temperature range: -25°C to +120°C			
Physical Property	Test Method	Units	Typical Values
	ASTM D2240	ShA	80
Tensile Strength	ASTM D412	MPa	15.6
Elongation	ASTM D412	%	267
Specific Gravity	ASTM D297	g/cm^3	1.22
Compression Set 22h @ 100°C	ASTM D395B	%	7

- **Roll Size: 1M/1.2M/1.5M wide x 10M long**
- **Thickness: 1mm to 25mm**

MOR Hydrogenated Nitrile Rubber (HNBR):

- It is the product of the hydrogenation of Nitrile.
- ALL oil resistant applications, including exposure to such oil additives as detergents, antioxidants and anti-wear agents. It exhibits improved performance characteristics over non-hydrogenated Nitrile, while showing about five times higher sour gasoline and ozone resistance.
- It is not recommended for exposure to ethers, esters, ketones or chlorinated hydrocarbons.

MOR Fluorocarbon Rubber (Viton/FKM):

- Excellent resistance to petroleum and solvents and good high temperature characteristics.
- Highly resistant to swelling in gasoline and alcohol blends as well as resistant to degrading effects of light and ozone and has broad chemical compatibility.
- Not recommended for exposure to ketones, amines, nitro hydrocarbons, hot hydrofluoric or chlorosulfonic acids.

Operating temperature range: -15°C to +200°C			
Physical Property	Test Method	Units	Typical Values
	ASTM D2240	ShA	70
Tensile Strength	ASTM D412	MPa	12
Elongation	ASTM D412	%	207
Specific Gravity	ASTM D297	g/cm^3	1.97
Compression Set 22h @ 200°C	ASTM D395B	%	14

- **Roll Size: 1M/1.2M/1.5M wide x 10M long**
- **Thickness: 1mm to 6mm**

MOR Gaskets & Seals LLP

Factory:27/4A, GIDC Alindra , Manjusar, Savli, Dist – Vadodara - 391775, Gujarat, India.

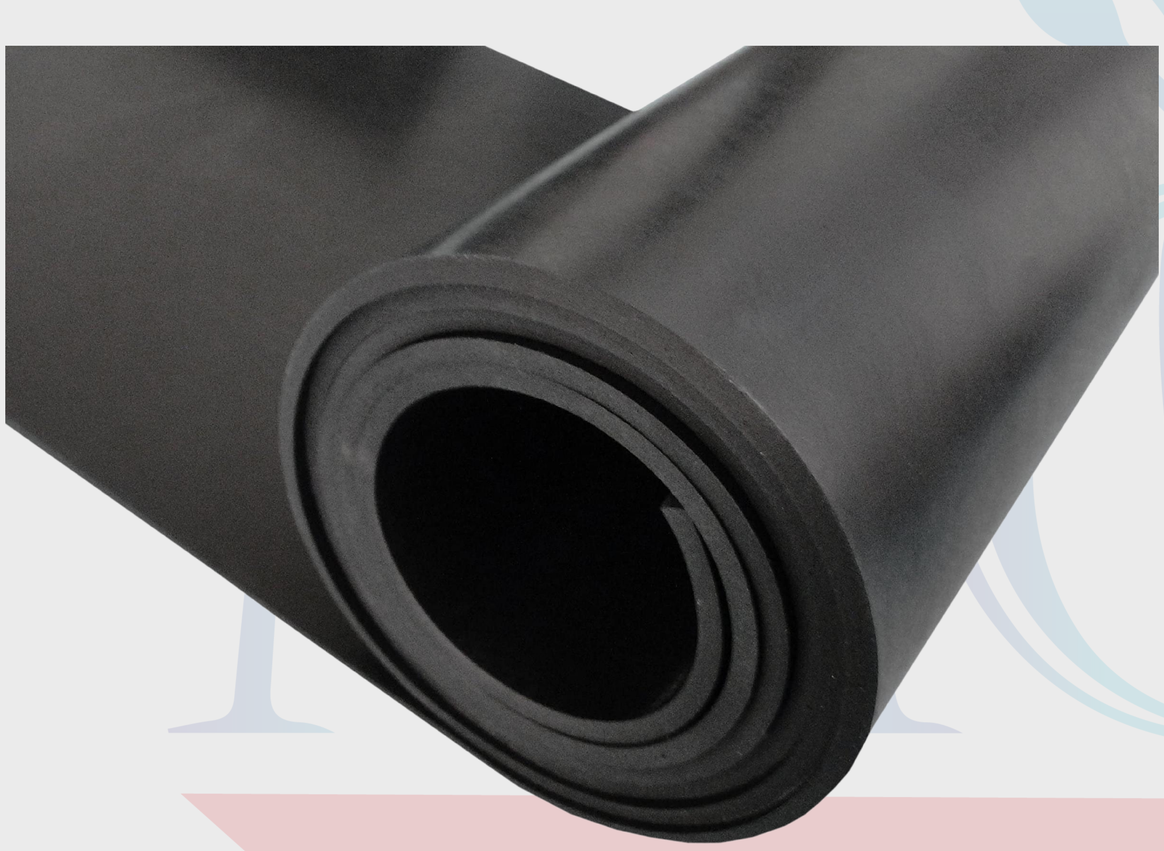
www.morgaskets.com

MOR Silicone Rubber:

- Silicones are renowned for their retention of flexibility and low compression set characteristics.
- Resistant to high, dry heat, fungus and aging effects of both sunlight and ozone attack.
- Generally, low abrasion and tear resistance, and high friction characteristics preclude silicones from effectively sealing some dynamic applications. Not recommended to ketones or concentrated acids.

Operating temperature range: -50°C to +230°C			
Physical Property	Test Method	Units	Typical Values
	ASTM D2240	ShA	70
Tensile Strength	ASTM D412	MPa	8.7
Elongation	ASTM D412	%	221
Specific Gravity	ASTM D297	g/cm^3	1.218
Compression Set 22h @ 175°C	ASTM D395B	%	12

- **Roll Size: 1M/1.2M/1.5M wide x 10M long**
- **Thickness: 1mm to 10mm**



Manufacturer and Supplier of High Performance Maintenance Free Gaskets, Spiral Wound Gaskets, Kamprofile Gaskets, Double Jacketed Gaskets, Ring Type Joint Gaskets, Lens Rings, Softcuts, Compression Packing, Seals, etc.